BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at MS Palya and Surrounding Roads in Ward No. 11, Vidyaranyapura Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Estimate Cost Rs.		**4900000.00**
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1 / PWD SR 2014-15**	Cum							
	CC Road MS Palya Behind 2nd Stage Masidhi		1	40.00	3.00	0.15	18.00		
			1	30.00	4.00	0.15	18.00		
			1	35.00	3.00	0.15	15.75		
			1	50.00	4.00	0.15	30.00		
			1	60.00	2.50	0.15	22.50		
	Welding Shop Road		1	150.00	4.50	0.15	101.25		
	Urdhu School Surroundings		1	30.00	2.50	0.15	11.25		
			1	25.00	3.00	0.20	15.00		
	Near Ali House		1	50.00	3.00	0.20	30.00		
			1	25.00	3.00	0.20	15.00		
	Behind Koya Factory		1	100.00	4.50	0.15	67.50		
	Near Mashidhi		1	60.00	6.00	0.15	54.00		
			1	70.00	6.00	0.15	63.00		
			1	68.00	4.50	0.15	45.90		
							507.15	75.60	**38341.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	CC Road MS Palya Behind 2nd Stage Masidhi		1	40.00	3.00	0.15	18.00		
			1	30.00	4.00	0.15	18.00		
			1	35.00	3.00	0.15	15.75		
			1	50.00	4.00	0.15	30.00		
			1	60.00	2.50	0.15	22.50		
	Welding Shop Road		1	150.00	4.50	0.15	101.25		
	Urdhu School Surroundings		1	30.00	2.50	0.15	11.25		
			1	25.00	3.00	0.15	10.88		
	Near Ali House		1	50.00	3.00	0.15	22.50		
			1	25.00	3.00	0.15	11.25		
	Behind Koya Factory		1	100.00	4.50	0.15	67.50		
	Near Mashidhi		1	60.00	6.00	0.15	54.00		
			1	70.00	6.00	0.15	63.00		
			1	68.00	4.50	0.15	45.90		

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
						491.78	4847.04	**2383653.00**
Basic Rate	4488.00							
Area Weightage @ 8%	359.04							
Total	**4847.04**							
and laying cement concrete using 20mm size granite jelly of **ready mixed concrete R.C.C works** laid in 15cms thick layers ompacted vibrating, curing, finishing with cement mortar, form works and s to withstand pumping of concrete, with d lifts etc., complete (exclusive of cost of abrication charges.) Ready mixed Cement I-20 (1:1.5:3) for raft foundation, column ain and secondary beams. **Page No. 18 / .48 / PWD SR 2014-15**	Cum							
MS Palya Behind 2nd Stage Masidhi		1	40.00	3.00	0.10	12.00		
		1	30.00	4.00	0.10	12.00		
		1	35.00	3.00	0.10	10.50		
		1	50.00	4.00	0.10	20.00		
		1	60.00	2.50	0.10	15.00		
hop Road		1	150.00	4.50	0.10	67.50		
ool Surroundings		1	30.00	2.50	0.10	7.50		
		1	25.00	3.00	0.10	7.50		
ouse		1	50.00	3.00	0.10	15.00		
		1	25.00	3.00	0.10	7.50		
a Factory		1	100.00	4.50	0.10	45.00		
dhi		1	60.00	6.00	0.10	36.00		
		1	70.00	6.00	0.10	42.00		
		1	68.00	4.50	0.10	30.60		
						328.10	5847.12	**1918440.00**
Basic Rate	5414.00							
Area Weightage @ 8%	433.12							
Total	**5847.12**							
-watering with vaccum pump and suction ompaction with skin floater clubbed with c including cost of generator HOM of Screed Vibratiry, Power Floater, blade c., with all lead and lift No. **171 / Item No. SR 2014-15**	Sqm							
S Palya Behind 2nd Stage Masidhi								
		1	30.00	4.00		120.00		
		1	50.00	4.00		200.00		
op Road		1	150.00	4.50		675.00		
use		1	50.00	3.00		150.00		
a Factory		1	100.00	4.50		450.00		
dhi		1	60.00	6.00		360.00		
		1	70.00	6.00		420.00		
		1	68.00	4.50		306.00		
						2681.00	97.20	**260593.00**
Basic Rate	90.00							
Area Weightage @ 8%	7.20							
Total	**97.20**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Providing **groove cutting** for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator and HOM of machinery including cost of blade coolant etc including cleaning of groove and providing sand and hot bitumne fillars, and filler metal etc., indluding cost of converyance of all materials, labours, lead and lift charges and all other incidental charges as per drawing and as per specification **Concrete Pavement Page No. 172 / Item No. 22.8.1 / PWD SR 2014-15**	Rmt							
		3	4.00			12.00		
		5	4.00			20.00		
		15	4.50			67.50		
		5	3.00			15.00		
		10	4.50			45.00		
		6	6.00			36.00		
		7	6.00			42.00		
		7	4.50			31.50		
						269.00	124.20	**33410.00**
Basic Rate	115.00							
Area Weightage @ 8%	9.20							
Total	**124.20**							
KSRB 4.2.2 : Providing and laying in position **einforced cement concrete of design mix M20 vith OPC cement @ 320 kgs, with 20mm and lown size graded granite metal**, coarse ggregates @ 0.878 cum and fine aggregates @ .459 cum with superplastisiser @ 3lts confirming to S 9103-1999 reaffirmed-2008 machine mixed, oncrete laid in layers not exceeding 15cms thick, brated for all works in foundation plinth and ground oor level for roof slabs, staircase, lintels, retaining alls, walls (any thickness) including attached asters, column, piers, abutments, pillars, posts, uts, buttresses, string or lacing courses, parapets, ping, bed blocks, anchor blocks, plain window s, fillets etc, including cost of all materials, labour, OM of machinery, curing, complete as per ecifications. Specification No. KBS 4.1,4.6, **Page . 13 / Item No. 4.11 / PWD SR 2014-15**	Cum							
Existing Drain Covering Slab Srinidhi Layout		1	100.00	0.90	0.10	9.00		
		1	50.00	0.90	0.10	4.50		
						13.50	6065.28	**81881.00**
Basic Rate	5616.00							
Area Weightage @ 8%	449.28							
Total	**6065.28**							
RB 4.9.2: Providing T.M.T steel reinforcement for .C work including straightening, cutting, bending, king, placing in position, lapping and / or welding erever required, tying with binding wire and noring to the adjoining members wherever essary complete as per design (laps, hooks and tage shall not be measured and paid) cost of erials, labour, HOM of machinery complete as specifications. Specification No. KBS 4.6.3 **TMT FE 500 Page No. 17 / Item No. 4.46.2 / PWD 2014-15**	Tonne							
		0.06	13.50			0.81		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							0.81	78351.84	**63465.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							
8	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.18 / PWD SR 2014-15**	Sqm							
	Existing Drain Covering Slab Srinidhi Layout		1	100.00	0.60		60.00		
			1	50.00	0.60		30.00		
	Sides		1	100.00		0.10	10.00		
			1	50.00		0.10	5.00		
							105.00	314.28	**32999.00**
	Basic Rate	291.00							
	Area Weightage @ 8%	23.28							
	Total	**314.28**							
	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
							Vide Item No. 1	**507.15**	72.71	**36873.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
	Sub Total								**4849655.00**
	Third Party Inspection Charges								**48497.00**
	Miscesallaneous Charges	L/S							**1848.00**
								Total	**4900000.00**

(Rupees Fourty Nine Lakhs Only)

ADMINISTRATIVELY SANCTIONED FOR Rs. 49.00 lacs
Rupees Forty Nine lacs only
Under Q-3089
Registered as EE ( ) No 39
Subject to conditions contained in enclosed memo EE ( ) No /3/..
Dt Estimate A/Sanctioned JC(1)/09/15-16 No 39/2015-16 dated 20/8/2015 for Rs 49.00 lacs

Joint Commissioner (Yelahanka Zone) BBMP, Bengaluru-92.

IFICATE

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2014-15.
This work included under MLA Grants 2014-15.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Junior Engineer

Technical Sanction Accorded For 49.00 lakhs
Head of A/C P 3089
ER NO : 59 Dt: 21.8.15

TA . CE (YNK)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division